

Amendments To The Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A balancing machine comprising a ~~shell or~~ frame suspension-mounted on a bed via elastic supports, a shaft rotatably supported by said frame at two points spaced a predetermined distance apart and having that a first end emerging from the bed provided with means for locking a wheel, and a second end connected to drive means for rotating said shaft, and at least two force transducer means applied transducers fixed between the bed and the shaft frame, characterised in that wherein the drive means ~~are rigid with~~ comprise an electric motor fixed to and supported by the suspension-mounted frame, between the bed and frame there being interposed an elastic support comprising at least two coplanar leaf springs symmetrical about the axis of the shaft ~~axis~~ and positioned in a plane perpendicular to the plane containing the ~~axes~~ axis of said drive means, the axis of said shaft and ~~of~~ said transducer means.

2. (Currently Amended) A machine as claimed in claim 1, ~~characterised in that~~ wherein said drive means are

~~drive means of belt type, said elastic support comprising at least two coplanar leaf springs contained in the plane perpendicular to said belt drive means~~ include a belt transmission.

3. (Currently Amended) A machine as claimed in claim 1, ~~characterised in that wherein~~ the force transducer ~~means~~ transducers are applied on the same side of the shaft.

4. (Currently Amended) A machine as claimed in claim 1, ~~characterised in that wherein~~ the force transducer ~~means~~ transducers are applied on opposite sides of the shaft.

5. (Currently Amended) A machine as claimed in claim 1, ~~characterised in that wherein~~ the force transducer ~~means~~ transducers are ~~applied at the~~ spaced apart at a minimum distance feasible. ~~apart compatible with their overall size.~~

6. (Currently Amended) A machine as claimed in claim 1, ~~characterised in that wherein~~ the force transducer means are applied directly between the ~~shaft~~ frame and the bed.

Claims 7-9 (Canceled).

Appln. No. 10/673,472  
Amdt. dated June 25, 2004  
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Amendments to the Drawings:

The attached sheets of drawings includes changes to Fig. 2 and Fig. 3. These sheets of drawings replace the original sheets which include Figs. 1-7. In Fig. 2, previously omitted elements 31 and 81 have been added. In Fig. 3, previously omitted element 31 has been added.

Atatchment:      Replacement Sheets (2)  
                 Annotated Sheets Showing Changes